

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-076561

(43)Date of publication of application : 02.04.1991

---

(51)Int.Cl.

A23L 1/28  
A61K 35/74  
// C12N 1/20

---

(21)Application number : 01-210102

(71)Applicant : UNIE KOROIDO KK

(22)Date of filing : 16.08.1989

(72)Inventor : YAMASHITA TEIJI

---

## (54) DIGESTION-RESISTANT USEFUL ENTEROBACTERIUM AND ITS PREPARATION

### (57)Abstract:

PURPOSE: To feed useful enterobacteria into a large intestine without inactivating the enterobacteria with a gastric juice by receiving the enterobacteria in a capsule comprising an edible film and subsequently coating the capsule with an edible fat.

CONSTITUTION: A capsule is formed of the solution of a coating film-formable and edible polymeric compound, and a plurality of holes permitting the passage of bacteria are simultaneously or subsequently formed in the capsule. Or, the capsule is formed in a state capable of being perforated in a small intestine. Enterobacteria such as Bifidobacterium bacteria are received in the capsule, and the capsule is coated with an edible fat having a melting point of  $\geq 35^{\circ}\text{C}$  and, if necessary, further coated with fructo-oligosaccharide to provide the digestion-resistant useful enterobacteria.

---

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]